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1/1 ページ

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 60-178381
 (43)Date of publication of application : 10.09.1985

(51)Int.CL

H04N 9/12

(21)Application number : 59-030145

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(22)Date of filing : 22.02.1984

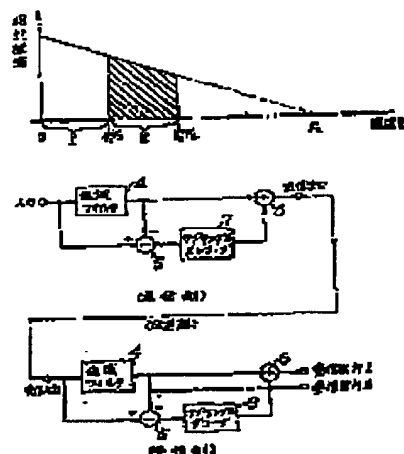
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(54) SUBSAMPLE TRANSMISSION SYSTEM

(57)Abstract:

PURPOSE: To easily obtain a high performance transmission/reception device by sampling high band frequency components out of television picture signals by using a subsample encoder, and applying band compression, synthesizing with low band components and transmitting said high band frequency components.

CONSTITUTION: An input signal on the transmitting side is added to an LPF4, a breaking frequency $F_s/n1$. The LPF4's I/O is added to a subtractor 5 and high band frequency components of $F_s/n1$ or above which are obtained from the subtractor 5 are added to a subsample encoder 7, where they are converted into subsample signals shown by an oblique line area II. Outputs of a low band filter 4 and the encoder 7 are synthesized by an adder 6 and outputted to a transmission line. Signals received on the receiving side are inputted to the filter 4 with the same characteristics as those on the transmitting side, where firstly an area I is separated and spectra indicated by dotted lines are reproduced by a subsample decoder 8, to which a low band frequency components I are added by the adder 6, and spectra signals in the same band F_s as those on the transmitting side are obtained.



LEGAL STATUS

[Date of request for examination]
 [Date of sending the examiner's decision of rejection]
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
 [Date of final disposal for application]
 [Patent number]
 [Date of registration]
 [Number of appeal against examiner's decision of rejection]
 [Date of requesting appeal against examiner's decision of rejection]
 [Date of extinction of right]

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